

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
-PATENT-**

Applicant(s):	Matsushita Electric Industrial Co., Ltd.	Docket No.:	28569.6500
Inventor(s):	Yuu OKADA, et al.		
Serial No.:	09/660,766	Issued Patent:	6,400,663
App. Filed:	September 13, 2000	Issue Date:	June 4, 2002
TITLE:	OPTICAL DISC APPARATUS	Group Art Unit:	2651

**REISSUE PATENT APPLICATION CONSENT AND DECLARATION OF INVENTORS  
PURSUANT TO 37 C.F.R. §§1.63, 1.172, AND 1.175**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is described and claimed in patent number 6,400,663, granted June 4, 2002, and for which a reissue patent is sought on the invention entitled: OPTICAL DISC APPARATUS

the specification of which:

☒ [ X ] is attached hereto.  
☐ [ ] was filed on \_\_\_\_\_ as Reissue Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above or attached herein with the reissue application.

I acknowledge the duty to disclose information to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

As an inventor of U.S. Patent No. 6,400,663, I hereby consent to the filing of the above reissue application for the reissue of U.S. Patent No. 6,400,663, pursuant to 37 C.F.R. §1.172 and 37 C.F.R. §3.73(b). Documentary evidence of assignee's, Matsushita Electric Industrial Co., Ltd., ownership of U.S. Patent No. 6,400,663 can be found at reel 011420, frame 0326 in the U.S. Patent and Trademark Office.

I verily believe the original patent to be wholly or partly inoperative or invalid by reason of the patentee claiming more or less than he had the right to claim in the patent.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

Claim 19 claims less than the applicant had a right to claim in the patent. Specifically, in claim 19, "a predetermined driving value based on the detection result of the type of the information medium" can be more broadly recited as "a predetermined driving value based on the type of the information medium".

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below, and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)		Priority Not Claimed	
JP 11-258578	Japan	September 13, 1999	[ ]
Number	Country	Filing Date	

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

Application Number	Filing Date
--------------------	-------------

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number	Filing Date	Status (Patent, Pending, Abandoned)
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor Yuu Okada  
First inventor's signature Yuu Okada Date December 4, 2003  
Residence 303 2-11-9 Minami-Terakata-Higashi-douri, Moriguchi-shi  
Osaka 570-0043 Japan  
Citizenship JAPAN  
Post Office Address \_\_\_\_\_

Full name of second inventor Kenji Fujiune  
Second inventor's signature Kenji Fujiune Date December 4, 2003  
Residence B202 2-24-4 Noda, Takatsuki-shi Osaka 569-0013 Japan  
Citizenship JAPAN  
Post Office Address \_\_\_\_\_

Full name of third inventor Katsuya Watanabe  
Third inventor's signature Katsuya Watanabe Date December 4, 2003  
Residence 7-854-2, Ayameikeminami, Nara-shi, Nara 631-0033 JAPAN  
Citizenship JAPAN  
Post Office Address \_\_\_\_\_

Full name of fourth inventor Takeharu Yamamoto  
Fourth inventor's signature Takeharu Yamamoto Date December 4, 2003  
Residence 3-5-22 Otuka-cho, Takatsuki-shi Osaka 569-0034 JAPAN  
Citizenship JAPAN  
Post Office Address \_\_\_\_\_

Full name of fifth inventor Jun Kikuchi  
Fifth inventor's signature Jun Kikuchi Date December 4, 2003  
Residence Takatsukiryo 532 7-1 Miyano-cho, Takatsuki-shi, Osaka 569-0081 JAPAN  
Citizenship JAPAN  
Post Office Address \_\_\_\_\_

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
-PATENT-**

Applicant(s):	Matsushita Electric Industrial Co., Ltd.	Docket No.:	28569.6500
Inventor(s):	Yuu OKADA, et al.		
Serial No.:	09/660,766	Issued Patent:	6,400,663
App. Filed:	September 13, 2000	Issue Date:	June 4, 2002
TITLE:	OPTICAL DISC APPARATUS	Group Art Unit:	2651

**REISSUE PATENT APPLICATION CONSENT AND DECLARATION OF ASSIGNEE  
PURSUANT TO 37 C.F.R. §§1.172 and 3.73(b)**

I hereby declare, pursuant to 37 C.F.R. §§1.172 and 3.73(b), that:

My residence, post office address, and citizenship are as stated below next to my name.

I am authorized to act on behalf of the following assignee: Matsushita Electric Industrial Co., Ltd. and the title of my position with said assignee is: Director, IP Development Center Authorized Signing Officer

The entire title (undivided interest) to the patent identified herein is vested in said assignee. Matsushita Electric Industrial Co., Ltd., assignee of U.S. Patent No. 6,400,663, consents to the filing of the above reissue application for the reissue of U.S. Patent No. 6,400,663, pursuant to 37 C.F.R. §1.172 and 37 C.F.R. §3.73(b). Documentary evidence of assignee's ownership of U.S. Patent No. 6,400,663 can be found at reel 011420, frame 0326 in the U.S. Patent and Trademark Office.

I believe the following inventors/patentees to be the original and first inventors of the subject matter which is described and claimed in U.S. Patent No. 6,400,663, for which a reissue patent is sought, on the invention: Yuu Okada, Kenji Fujiune, Katsuya Watanabe, Takeharu Yamamoto, and Jun Kikuchi, and the invention is entitled: OPTICAL DISC APPARATUS.

Patent number: 6,400,663

Issue Date: June 4, 2002

Title of Invention: OPTICAL DISC APPARATUS

the specification of which:

[ X ] is attached hereto.  
[   ] was filed on \_\_\_\_\_ as Reissue Application Serial No. \_\_\_\_\_  
\_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid by reason of the patentee claiming more or less than he had the right to claim in the patent.

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Prior Foreign  
Application(s)

JP 11-258578

Japan

September  
13, 1999

Priority Not Claimed

[ ]

Number

Country

Filing Date

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

Application Number

Filing Date

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not

disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

_____	_____	_____
Application Number	Filing Date	Status (Patent, Pending, Abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Assignee: Matsushita Electric Industrial Co., Ltd.

Full name of person signing: Isamu Shimura

Title of person signing: Director, IP Development Center Authorized Signing Officer

Citizenship: JAPAN

Signature:  Date December 17, 2003

Address of Assignee: 1006, Oaza Kadoma, Kadomashi, Osaka 571-8501 JAPAN

28509  
USPTO



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
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OF PATENTS AND TRADEMARKS

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MARCH 27, 2001

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\*101585526A\*

SNELL & WILMER, LLP  
MICHAEL K. KELLY  
400 E. VAN BUREN STREET  
ONE ARIZONA CENTER  
PHOENIX, AZ 85004-2202

SNELL & WILMER

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/28/2000

REEL/FRAME: 011420/0326  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
OKADA, YUU

DOC DATE: 12/12/2000

ASSIGNOR:  
FUJIUNE, KENJI

DOC DATE: 12/12/2000

ASSIGNOR:  
WATANABE, KATSUYA

DOC DATE: 12/12/2000

ASSIGNOR:  
YAMAMOTO, TAKEHARU

DOC DATE: 12/12/2000

ASSIGNOR:  
KIKUCHI, JUN

DOC DATE: 12/12/2000

ASSIGNEE:  
MATSUSHITA ELECTRIC INDUSTRIAL  
CO., LTD  
1006 OAZA KADOMA, KADOMASHI  
OSAKA, JAPAN 571-8501

not a receipt

011420/0326 PAGE 2

SERIAL NUMBER: 09660766  
PATENT NUMBER:

FILING DATE: 09/13/2000  
ISSUE DATE:

DOROTHY BASMA, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



01-17-2001



101585526

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

DEC 28 2000

RECORDATION FORM COVER SHEET  
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

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Document ID#

☐ Correction of PTO Error  
Reel #  Frame #

☐ Corrective Document  
Reel #  Frame #

Conveyance Type

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☐ License ☐ Change of Name

☐ Merger ☐ Other

U.S. Government  
(For Use ONLY by U.S. Government Agencies)

☐ Departmental File ☐ Secret File

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Name (line 1)	Yuu OKADA	Execution Date Month Day Year 12/12/00
Name (line 2)	Terakataryo 304, 2-2-2, Minamiterakatakitadouri, Moriguchi-shi, Osaka 570-0046 Japan	
Second Party Name (line 1)	Kenji FUJUNE	Execution Date Month Day Year 12/12/00
Name (line 2)	22-7, Kourinishinocho, Neyagawa-shi, Osaka 572-0089 Japan	

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1)	Matsushita Electric Industrial Co., Ltd.	<input checked="" type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)	
Name (line 2)	1006, Oaza Kadoma, Kadomashi		
Address (line 1)	<input type="text"/>		
Address (line 2)	<input type="text"/>		
Address (line 3)	Osaka	Japan	571-8501
	City	State/Country	Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name  Michael K. Kelly

Address (line 1)  Snell & Wilmer, LLP

Address (line 2)  One Arizona Center

Address (line 3)  400 E. Van Buren Street

Address (line 4)  Phoenix, AZ 85004-2202

01/02/2001 JADDO1 00000071 09660766

02 FC:581

40.00 DP

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## Correspondent Name and Address

Area Code and Telephone Number

602-382-6291

Name Michael K. Kelly

Address (line 1) Snell &amp; Wilmer, LLP

Address (line 2) One Arizona Center

Address (line 3) 400 E. Van Buren Street

Address (line 4) Phoenix, AZ 85004-2202

## Pages

Enter the total number of pages of the attached conveyance document  
including any attachments.

# 5

## Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

## Patent Application Number(s)

09/660,766

## Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was  
signed by the first named executing inventor.

Month Day Year

## Patent Cooperation Treaty (PCT)

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

## Number of Properties

Enter the total number of properties involved.

# 1

## Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:

Enclosed ☒Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

# 19-2814

Authorization to charge additional fees:

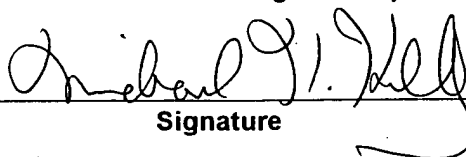
Yes ☒No ☐

## Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any  
attached copy is a true copy of the original document. Charges to deposit account are authorized, as  
indicated herein.

Michael K. Kelly, Reg. No. 32,848

Name of Person Signing



Signature

December 22, 2000

Date

CONTINUATION  
PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Katsuya WATANABE

Execution Date  
Month Day Year  
12/12/2000

Name (line 2) 7-854-2, Ayameikeminami, Nara-shi, Nara 631-0033 Japan

Name (line 1) Takeharu YAMAMOTO

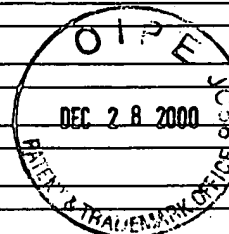
Execution Date  
Month Day Year  
12/12/2000

Name (line 2) 17-23, 2-chome, Otsukacho, Takatsuki-shi, Osaka 569-0034 Japan

Name (line 1) Jun KIKUCHI

Execution Date  
Month Day Year  
12/12/2000

Name (line 2) Takatsukiryo 532, 7-1, Miyanocho, Takatsuki-shi, Osaka 569-0081 Japan



Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)


## ASSIGNMENT

**WHEREAS**, The ASSIGNOR, comprising the following named inventor(s):

1. Yuu OKADA; Terakataryo 304, 2-2-2, Minamiterakatakitadouri, Moriguchi-shi,  
Osaka 570-0046 Japan
2. Kenji FUJUNE; 22-7, Kourinishinocho, Neyagawa-shi,  
Osaka 572-0089 Japan
3. Katsuya WATANABE; 7-854-2, Ayameikeminami, Nara-shi,  
Nara 631-0033 Japan
4. Takeharu YAMAMOTO; 17-23, 2-chome, Otsukacho, Takatsuki-shi,  
Osaka 569-0034 Japan
5. Jun KIKUCHI; Takatsukiryo 532, 7-1, Miyancho, Takatsuki-shi,  
Osaka 569-0081 Japan

have invented and own a certain invention entitled:

### OPTICAL DISC APPARATUS

for which application for Letters Patent of the United States was filed as U.S. Serial No.  
09/660,766 on September 13, 2000; and

**WHEREAS**, the ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
1006, Oaza Kadoma, Kadomashi,  
Osaka 571-8501 Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:** Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum corresponding to One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment sale agreement charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and

deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seal

this 12 day of December, 2000.

1. Yuu Okada  
(Yuu OKADA)

2. Kenji Fujitune  
(Kenji FUJITUNE)

3. Katsuya Watanabe  
(Katsuya WATANABE)

4. Takeharu Yamamoto  
(Takeharu YAMAMOTO)

5. Jun Kikuchi  
(Jun KIKUCHI)